RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/652,791

Source: TFWO

Date Processed by STIC: 10/22/04

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IFWO

RAW SEQUENCE LISTING   DATE: 10/22/2004
PATENT APPLICATION: US/10/652,791   TIME: 12:38:19

Input Set : **D:\400.126 Sequence Listing.ST25.txt**
Output Set: **N:\CRF4\10222004\J652791.raw**

```
 3 <110> APPLICANT: Sirna Therapeutics, Inc.
 4       McSwiggen, James
 5       Chowrira, Bharat
 7 <120> TITLE OF INVENTION: RNA Interference Mediated Inhibition of Platelet-Derived
 8       Endothelial Cell Growth Factor (ECGF1) Gene Expression Using
 9       Short Interfering Nucleic Acid (siNA)
11 <130> FILE REFERENCE: 400/126 (MBHB 03-332-B)
13 <140> CURRENT APPLICATION NUMBER: US 10/652,791
14 <141> CURRENT FILING DATE: 2003-08-29
16 <150> PRIOR APPLICATION NUMBER: US 10/422,704
17 <151> PRIOR FILING DATE: 2003-04-24
19 <150> PRIOR APPLICATION NUMBER: US 10/417,012
20 <151> PRIOR FILING DATE: 2003-04-16
22 <150> PRIOR APPLICATION NUMBER: PCT/US 03/05346
23 <151> PRIOR FILING DATE: 2003-02-20
25 <150> PRIOR APPLICATION NUMBER: PCT/US 03/05028
26 <151> PRIOR FILING DATE: 2003-02-20
28 <150> PRIOR APPLICATION NUMBER: US 60/358,580
29 <151> PRIOR FILING DATE: 2002-02-20
31 <150> PRIOR APPLICATION NUMBER: US 60/363,124
32 <151> PRIOR FILING DATE: 2002-03-11
34 <150> PRIOR APPLICATION NUMBER: US 60/386,782
35 <151> PRIOR FILING DATE: 2002-06-06
37 <150> PRIOR APPLICATION NUMBER: US 60/406,784
38 <151> PRIOR FILING DATE: 2002-08-29
40 <150> PRIOR APPLICATION NUMBER: US 60/408,378
41 <151> PRIOR FILING DATE: 2002-09-05
43 <150> PRIOR APPLICATION NUMBER: US 60/409,293
44 <151> PRIOR FILING DATE: 2002-09-09
46 <150> PRIOR APPLICATION NUMBER: US 60/440,129
47 <151> PRIOR FILING DATE: 2003-01-15
49 <160> NUMBER OF SEQ ID NOS: 224
51 <170> SOFTWARE: PatentIn version 3.2
53 <210> SEQ ID NO: 1
54 <211> LENGTH: 19
55 <212> TYPE: RNA
56 <213> ORGANISM: Artificial Sequence
58 <220> FEATURE:
59 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA
sense region
61 <400> SEQUENCE: 1
62 cccgccgccg gcaguggac                                                19
65 <210> SEQ ID NO: 2
66 <211> LENGTH: 19
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(p5.10-11)

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 68 <213> ORGANISM: Artificial Sequence
 70 <220> FEATURE:
 71 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA
sense region
 73 <400> SEQUENCE: 2
 74 ccgcugugcg cgaacccug                                                    19
 77 <210> SEQ ID NO: 3
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 79 <212> TYPE: RNA
 80 <213> ORGANISM: Artificial Sequence
 82 <220> FEATURE:
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sense region
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 86 gaacccuacg gucccgacc                                                    19
 89 <210> SEQ ID NO: 4
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 98 ccgcgggcga ggccgggua                                                    19
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104 <213> ORGANISM: Artificial Sequence
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116 <213> ORGANISM: Artificial Sequence
118 <220> FEATURE:
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122 agcaagcggg cgagggcag                                                    19
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127 <212> TYPE: RNA
128 <213> ORGANISM: Artificial Sequence
130 <220> FEATURE:
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133 <400> SEQUENCE: 7
134 gcgcccuaag caggcccgg                                                    19
137 <210> SEQ ID NO: 8
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138 <211> LENGTH: 19
139 <212> TYPE: RNA
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RAW SEQUENCE LISTING   DATE: 10/22/2004
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Output Set: N:\CRF4\10222004\J652791.raw


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142 <220> FEATURE:
143 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA
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150 <211> LENGTH: 19
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152 <213> ORGANISM: Artificial Sequence
154 <220> FEATURE:
155 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA
sense region
157 <400> SEQUENCE: 9
158 ugaccccggg aaccggggc                                         19
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163 <212> TYPE: RNA
164 <213> ORGANISM: Artificial Sequence
166 <220> FEATURE:
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174 <211> LENGTH: 19
175 <212> TYPE: RNA
176 <213> ORGANISM: Artificial Sequence
178 <220> FEATURE:
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187 <212> TYPE: RNA
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198 <211> LENGTH: 19
199 <212> TYPE: RNA
200 <213> ORGANISM: Artificial Sequence
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203 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA
sense region
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206 cuucgccaga gcccaagca                                         19
209 <210> SEQ ID NO: 14
210 <211> LENGTH: 19
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211 <212> TYPE: RNA
212 <213> ORGANISM: Artificial Sequence

RAW SEQUENCE LISTING   DATE: 10/22/2004
PATENT APPLICATION: US/10/652,791   TIME: 12:38:19

Input Set : D:\400.126 Sequence Listing.ST25.txt
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215 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA
sense region
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222 <211> LENGTH: 19
223 <212> TYPE: RNA
224 <213> ORGANISM: Artificial Sequence
226 <220> FEATURE:
227 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA
sense region
229 <400> SEQUENCE: 15
230 gcaugaagcg agacggagg   19
233 <210> SEQ ID NO: 16
234 <211> LENGTH: 19
235 <212> TYPE: RNA
236 <213> ORGANISM: Artificial Sequence
238 <220> FEATURE:
239 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA
sense region
241 <400> SEQUENCE: 16
242 gccgccugag cgaagcgga   19
245 <210> SEQ ID NO: 17
246 <211> LENGTH: 19
247 <212> TYPE: RNA
248 <213> ORGANISM: Artificial Sequence
250 <220> FEATURE:
251 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA
sense region
253 <400> SEQUENCE: 17
254 acaucagggg cuucguggc   19
257 <210> SEQ ID NO: 18
258 <211> LENGTH: 19
259 <212> TYPE: RNA
260 <213> ORGANISM: Artificial Sequence
262 <220> FEATURE:
263 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA
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265 <400> SEQUENCE: 18
266 ccgcuguggu gaaugggag   19
269 <210> SEQ ID NO: 19
270 <211> LENGTH: 19
271 <212> TYPE: RNA
272 <213> ORGANISM: Artificial Sequence
274 <220> FEATURE:
275 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA
sense region
277 <400> SEQUENCE: 19
278 gcgcgcaggg cgcacagau   19
281 <210> SEQ ID NO: 20
282 <211> LENGTH: 19
283 <212> TYPE: RNA

284 <213> ORGANISM: Artificial Sequence
286 <220> FEATURE:

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PATENT APPLICATION: US/10/652,791   TIME: 12:38:19

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287 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA
sense region
289 <400> SEQUENCE: 20
290 ucggggccau gcugauggc   19
293 <210> SEQ ID NO: 21
294 <211> LENGTH: 19
295 <212> TYPE: RNA
296 <213> ORGANISM: Artificial Sequence
298 <220> FEATURE:
299 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA
sense region
301 <400> SEQUENCE: 21
302 ccauccgacu ucggggcau   19
305 <210> SEQ ID NO: 22
306 <211> LENGTH: 19
307 <212> TYPE: RNA
308 <213> ORGANISM: Artificial Sequence
310 <220> FEATURE:
311 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA
sense region
313 <400> SEQUENCE: 22
314 uggaucugga ggagaccuc   19
317 <210> SEQ ID NO: 23
318 <211> LENGTH: 19
319 <212> TYPE: RNA
320 <213> ORGANISM: Artificial Sequence
322 <220> FEATURE:
323 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA
sense region
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326 cggugcugac ccaggcccu   19
329 <210> SEQ ID NO: 24
330 <211> LENGTH: 19
331 <212> TYPE: RNA
332 <213> ORGANISM: Artificial Sequence
334 <220> FEATURE:
335 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA
sense region
337 <400> SEQUENCE: 24
338 uggcucaguc gggacagca   19
341 <210> SEQ ID NO: 25
342 <211> LENGTH: 19
343 <212> TYPE: RNA
344 <213> ORGANISM: Artificial Sequence
346 <220> FEATURE:
347 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA
sense region
349 <400> SEQUENCE: 25
350 agcuggagug gccagaggc   19
353 <210> SEQ ID NO: 26
354 <211> LENGTH: 19
355 <212> TYPE: RNA
356 <213> ORGANISM: Artificial Sequence

358 <220> FEATURE:
359 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA
sense region

RAW SEQUENCE LISTING ERROR SUMMARY   DATE: 10/22/2004
PATENT APPLICATION: US/10/652,791   TIME: 12:38:20

Input Set : **D:\400.126 Sequence Listing.ST25.txt**
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Please Note:
Use of n and/or Xaa have been detected in the Sequence Listing. Please review the
Sequence Listing to ensure that a corresponding explanation is presented in the <220>
to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:183; N Pos. 20,21
Seq#:184; N Pos. 20,21
Seq#:185; N Pos. 20,21
Seq#:186; N Pos. 20,21
Seq#:187; N Pos. 20,21
Seq#:188; N Pos. 20,21
Seq#:189; N Pos. 20,21
Seq#:190; N Pos. 20,21
Seq#:191; N Pos. 20,21
Seq#:192; N Pos. 20,21
Seq#:193; N Pos. 20,21
Seq#:194; N Pos. 20,21
Seq#:195; N Pos. 20,21
Seq#:196; N Pos. 20,21
Seq#:197; N Pos. 20,21
Seq#:198; N Pos. 20,21
Seq#:199; N Pos. 20,21
Seq#:200; N Pos. 20,21
Seq#:201; N Pos. 20,21
Seq#:202; N Pos. 20,21
Seq#:203; N Pos. 20,21
Seq#:204; N Pos. 20,21
Seq#:205; N Pos. 20,21
Seq#:206; N Pos. 20,21
Seq#:207; N Pos. 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21
Seq#:208; N Pos. 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21
Seq#:209; N Pos. 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21
Seq#:210; N Pos. 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21
Seq#:211; N Pos. 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21
Seq#:212; N Pos. 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21
Seq#:213; N Pos. 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21
Seq#:214; N Pos. 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21
Seq#:215; N Pos. 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21
Seq#:216; N Pos. 20,21
Seq#:217; N Pos. 20,21
Seq#:218; N Pos. 20,21
Seq#:219; N Pos. 20,21
Seq#:220; N Pos. 20,21
Seq#:221; N Pos. 20,21
Seq#:222; N Pos. 20,21
Seq#:223; N Pos. 20,21
Seq#:224; N Pos. 20,21

RAW SEQUENCE LISTING ERROR SUMMARY   DATE: 10/22/2004
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Invalid Line Length:
The rules require that a line not exceed 72 characters in length. This includes spaces.

Seq#:209; Line(s) 3359
Seq#:210; Line(s) 3381
Seq#:211; Line(s) 3413
Seq#:212; Line(s) 3445
Seq#:213; Line(s) 3477
Seq#:214; Line(s) 3510
Seq#:215; Line(s) 3542

VERIFICATION SUMMARY   DATE: 10/22/2004
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L:2252 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:183 after pos.:0
L:2270 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:184 after pos.:0
L:2288 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:185 after pos.:0
L:2306 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:186 after pos.:0
L:2324 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:187 after pos.:0
L:2342 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:188 after pos.:0
L:2360 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:189 after pos.:0
L:2378 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:190 after pos.:0
L:2426 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:191 after pos.:0
L:2479 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:192 after pos.:0
L:2532 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:193 after pos.:0
L:2575 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:194 after pos.:0
L:2618 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:195 after pos.:0
L:2666 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:196 after pos.:0
L:2709 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:197 after pos.:0
L:2747 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:198 after pos.:0
L:2815 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:199 after pos.:0
L:2893 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:200 after pos.:0
L:2966 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:201 after pos.:0
L:3024 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:202 after pos.:0
L:3087 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:203 after pos.:0
L:3160 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:204 after pos.:0
L:3228 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:205 after pos.:0
L:3281 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:206 after pos.:0
L:3313 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:207 after pos.:0
L:3345 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:208 after pos.:0
L:3367 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:209 after pos.:0
L:3399 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:210 after pos.:0
L:3431 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:211 after pos.:0
L:3463 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:212 after pos.:0
L:3496 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:213 after pos.:0
L:3528 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:214 after pos.:0
L:3561 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:215 after pos.:0
L:3588 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:216 after pos.:0
L:3615 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:217 after pos.:0
L:3682 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:218 after pos.:0
L:3759 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:219 after pos.:0
L:3811 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:220 after pos.:0
L:3863 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:221 after pos.:0
L:3940 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:222 after pos.:0
L:3992 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:223 after pos.:0
L:4069 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:224 after pos.:0
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